BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**16**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**59**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**79**	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	**165**	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**429**	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**54**	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**30.0437**	284108
8	Supply & Providing of Spiral Earth Electrode	No	**94**	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**6**	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**14**	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**7**	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**75**	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**8**	302011
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**13**	278916
15	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**22**	613050
16	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**31**	278911
17	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**7**	CDS materials for General works
18	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**7**	321438
19	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**24**	281674+600095+607054, CDS 60
20	Supply & providing of GI wire 8SWG	kg	**55**	281008
21	Supply & providing of Guy wire 7/10SWG	kg	**110**	281110
22	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**8**	303202, CDS 60
23	Supply & providing of LT Protection kit	No	**9**	301107
24	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**7**	
	i) Al Lead Wire - 95 Sqmm	Mtr	**300**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**61**	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**43**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**52**	284503

	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**23**	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**7**	CDS 39
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**8**	302122
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**8**	821900
27	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**1**	280119, CDS materials for General works
28	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**1**	321437
29	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**7**	
	Aluminium lead wire 50 sqmm	Mtr	**25**	289031
	Heavy duty long barrel copper lugs- 50 sqmm	No	**4**	288531
	P.G Clamps - Rabbit to 50 sq.mm	No	**4**	285508, CDS 63
	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**8**	280800+280511, CDS 60
	Spacer for DTC Wiring	No	**8**	284503
30	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**1**	CDS 39
31	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**31**	200004
32	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**119**	280014, CDS materials for General works
33	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	**122**	280012, CDS materials for General works
34	1.1 kV Pin Insulator with GI Pin	No	**273**	283053, CDS 5
35	No. 8 Strain Insulator	No	**189**	283158
36	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**12**	CDS materials for General works
37	Guy concreting with Boulders, Mud and Sand	No	**4**	0
38	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	**2**	CDS 69
39	PVC Pipe 40 mm Dia	Mtr	**90**	CDS 69
40	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtr	**100**	CDS 69
41	Anti Climbing Device (12 Mtr GI Barbed Wire) Lumpsum	Kg	**8**	278911
42	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**0.36**	CDS 37
43	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**32**	CDS 37
44	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**20**	CDS 37
45	Pole clamp for HT/LT AB cable	Sets	**8**	CDS 37
46	Eye Hook (Flat type) for fixing Clamps	Sets	**12**	CDS 37
47	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**6**	CDS 37
48	Universal Hook, Bolts & nuts	No's	**8**	CDS 37
49	T-connector KZ3 95	No's	**4**	CDS 37
50	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**10**	CDS 37
51	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**10**	CDS 37
52	End cap for 50/70 Sqmm	No's	**6**	CDS 37
53	Guy Concreting with Mud, Boulders & Sand	Sets	**8**	CDS 37

54	PVC Insulated wire 16/25 Sqmm	Mtrs	**20**	CDS 37

PART-II ERECTION PORTION

SL No	Particulars	Unit	Total Qty
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**16**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**59**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**79**
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**54**
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**30.0437**
6	Supply & Providing of Spiral Earth Electrode	No	**94**
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**6**
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**14**
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**7**
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**75**
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**8**
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**13**
13	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**22**
14	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**31**
15	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**7**
16	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**7**
17	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**24**
18	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**8**
19	Supply & providing of LT Protection kit	No	**9**
20	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**7**
	i) Al Lead Wire - 95 Sqmm	Mtr	**300**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**61**

	iii) PG Clamp - Rabbit to 95 Sqmm	No	**43**
	iv) Spacer for DTC Wiring	No	**52**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**23**
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**7**
21	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**8**
22	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**1**
23	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**1**
24	Supply & providing of LT wiring (from 25 KVA DTC to LT line) for 25 KVA Transformer	No	**1**
	i)Aluminium lead wire 50 sqmm	Mtr	**25**
	ii)Heavy duty long barrel copper lugs- 50 sqmm	No	**4**
	iii) P.G Clamps - Rabbit to 50 sq.mm	No	**4**
	iv) Spacer for DTC Wiring	No	**8**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**8**
25	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**1**
26	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**31**
27	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**119**
28	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	**122**
29	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**12**
30	Guy concreting with Boulders, Mud and Sand	No	**4**
31	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	**2**
32	Anti Climbing Device (12 Mtr GI Barbed Wire) Lumpsum	Kg	**8**
33	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**0.36**
34	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**32**
35	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**20**
36	Pole clamp for HT/LT AB cable	Sets	**8**

37	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**6**
38	Universal Hook, Bolts & nuts	No's	**8**
39	T-connector KZ3 95	No's	**4**
40	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**10**
41	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**10**
42	End cap for 50/70 Sqmm	No's	**6**
43	Guy Concreting with Mud, Boulders & Sand	Sets	**8**